

APPENDIX

Issued Patents

| Line No. | Patent Number | Title | Issue Date | Recordation Information |
|----------|------------------------------|------------------------------------------------|-----------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1. | 6,775,281 (08-533) | METHOD AND APPARATUS FOR A FOUR-WAY HASH TABLE | August 10, 2004 | Reel/Frame: 010320/0448 Assignors: BROWN, DAVID A. Assignee: MOSAID TECHNOLOGIES, INC. Reel/Frame: 021040/0648 Assignors: MOSAID TECHNOLOGIES, INC. Assignee: SATECH GROUP A.B. LIMITED LIABILITY COMPANY |
| 2. | 6,862,287 (08-533-US-CIP) | METHOD AND APPARATUS FOR A FOUR-WAY HASH TABLE | March 1, 2005 | Reel/Frame: 013448/0910 Assignors: BROWN, DAVID A. Assignee: MOSAID TECHNOLOGIES, INC. Reel/Frame: 020845/0380 Assignors: BROWN, DAVID A. Assignee: MOSAID TECHNOLOGIES, INC. Reel/Frame: 021040/0648 Assignors: MOSAID TECHNOLOGIES, INC. Assignee: SATECH GROUP A.B. LIMITED LIABILITY COMPANY |
| 3. | 6,728,744 08-534-US | WIDE WORD MULTIPLIER USING BOOTH ENCODING | April 27, 2004 | Reel/Frame: 014417/0462 Assignors: AMER, MAHER Assignee: MOSAID TECHNOLOGIES, INC. AND CHRYSALIS-ITS INC. Reel/Frame: 014417/0751 Assignors: CHRYSALIS-ITS INC. Assignee: MOSAID TECHNOLOGIES, INC. Reel/Frame: 021050/0032 Assignors: MOSAID TECHNOLOGIES, INC. Assignee: SATECH GROUP A.B. LIMITED LIABILITY COMPANY |

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| 4. | 7,136,961 (08-535-US) | METHOD AND APPARATUS FOR WIDE WORD DELETION IN CONTENT ADDRESSABLE MEMORIES | November 14, 2006 | Reel/Frame: 014231/0463 Assignors: ROTH, ALAN, ET AL. Assignee: MOSAID TECHNOLOGIES, INC. Reel/Frame: 021040/0648 Assignors: MOSAID TECHNOLOGIES, INC. Assignee: SATECH GROUP A.B. LIMITED LIABILITY COMPANY |
| 5. | 6,539,369 (08-536-us4) | METHOD AND APPARATUS FOR STORING SPARSE AND DENSE SUBTREES IN A LONGEST PREFIX MATCH LOOKUP TABLE | March 25, 2003 | Reel/Frame: 011617/0240 Assignors: BROWN, DAVID A. Assignee: MOSAID TECHNOLOGIES, INC. Reel/Frame: 020845/0380 Assignors: BROWN, DAVID A. Assignee: MOSAID TECHNOLOGIES, INC. Reel/Frame: 021040/0648 Assignors: MOSAID TECHNOLOGIES, INC. Assignee: SATECH GROUP A.B. LIMITED LIABILITY COMPANY |
| 6. | 6,836,771 08-536-US- CON | METHOD AND APPARATUS FOR STORING SPARSE AND DENSE SUBTREES IN A LONGEST PREFIX MATCH LOOKUP TABLE | December 28, 2004 | Reel/Frame: 020845/0380 Assignors: BROWN, DAVID A. Assignee: MOSAID TECHNOLOGIES, INC. Reel/Frame: 021040/0648 Assignors: MOSAID TECHNOLOGIES, INC. Assignee: SATECH GROUP A.B. LIMITED LIABILITY COMPANY |
| 7. | 6,839,825 08-537-US2 | METHOD AND APPARATUS FOR LOGICALLY EXPANDING THE WIDTH OF MEMORY | January 4, 2005 | Reel/Frame: 012223/0167 Assignors: BROWN, DAVID A. Assignee: MOSAID TECHNOLOGIES, INC. Reel/Frame: 020845/0380 Assignors: BROWN, DAVID A. Assignee: MOSAID TECHNOLOGIES, INC. Reel/Frame: 021040/0648 Assignors: MOSAID TECHNOLOGIES, INC. Assignee: SATECH GROUP A.B. LIMITED LIABILITY COMPANY |

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| 8. | 6,880,064 08-537-US3 | METHOD AND APPARATUS FOR PHYSICAL WIDTH EXPANSION OF A LONGEST PREFIX MATCH LOOKUP TABLE | April 12, 2005 | Reel/Frame: 012189/0615 Assignors: BROWN, DAVID A. Assignee: MOSAID TECHNOLOGIES, INC. Reel/Frame: 020845/0380 Assignors: BROWN, DAVID A. Assignee: MOSAID TECHNOLOGIES, INC. Reel/Frame: 021040/0648 Assignors: MOSAID TECHNOLOGIES, INC. Assignee: SATECH GROUP A.B. LIMITED LIABILITY COMPANY |
| 9. | 6,691,218 08-536-US | METHOD AND APPARATUS FOR LONGEST MATCH ADDRESS LOOKUP | February 10, 2004 | Reel/Frame: 011621/0928 Assignors: BROWN, DAVID A. Assignee: MOSAID TECHNOLOGIES, INC. Reel/Frame: 020845/0380 Assignors: BROWN, DAVID A. Assignee: MOSAID TECHNOLOGIES, INC. Reel/Frame: 021040/0648 Assignors: MOSAID TECHNOLOGIES, INC. Assignee: SATECH GROUP A.B. LIMITED LIABILITY COMPANY |
| 10. | 6,279,088 08-532-US-DIV2 | MEMORY DEVICE WITH MULTIPLE PROCESSORS HAVING PARALLEL ACCESS TO THE SAME MEMORY AREA | August 21, 2001 | Reel/Frame: 020837/0596 Assignors: ELLIOTT, DUNCAN G. Assignee: MOSAID TECHNOLOGIES, INC. Reel/Frame: 020837/0985 Assignors: SNELGROVE, MARTIN Assignee: MOSAID TECHNOLOGIES, INC. Reel/Frame: 021040/0648 Assignors: MOSAID TECHNOLOGIES, INC. Assignee: SATECH GROUP A.B. LIMITED LIABILITY COMPANY |

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| 11. | 5,956,274 08-532-US- CON2 | MEMORY DEVICE WITH MULTIPLE PROCESSORS HAVING PARALLEL ACCESS TO THE SAME MEMORY AREA | September 21, 1999 | Reel/Frame: 008489/0485 Assignors: ELLIOTT, DUNCAN, ET AL. Assignee: MOSAID TECHNOLOGIES, INC. Reel/Frame: 020837/0596 Assignors: ELLIOTT, DUNCAN G. Assignee: MOSAID TECHNOLOGIES, INC. Reel/Frame: 020837/0985 Assignors: SNELGROVE, MARTIN Assignee: MOSAID TECHNOLOGIES, INC. Reel/Frame: 021040/0648 Assignors: MOSAID TECHNOLOGIES, INC. Assignee: SATECH GROUP A.B. LIMITED LIABILITY COMPANY |
| 12. | 5,570,381 08-583 | SYNCHRONOUS DRAM TESTER | October 29, 1996 | Reel/Frame: 007544/0372 Assignors: SCHOFIELD, PAUL JONATHAN Assignee: MOSAID TECHNOLOGIES, INC. Reel/Frame: 021040/0648 Assignors: MOSAID TECHNOLOGIES, INC. Assignee: SATECH GROUP A.B. LIMITED LIABILITY COMPANY |
| 13. | 5,822,333 08-584 | DIGITAL MEMORY TESTING METHOD | October 13, 1998 | Reel/Frame: 008514/0626 Assignors: FOSS, RICHARD C. Assignee: MOSAID TECHNOLOGIES, INC. Reel/Frame: 021040/0648 Assignors: MOSAID TECHNOLOGIES, INC. Assignee: SATECH GROUP A.B. LIMITED LIABILITY COMPANY |
| 14. | 7,003,625 08-851-US | SEARCHING SMALL ENTITIES IN A WIDE CAM | February 21, 2006 | Reel/Frame: 014244/0611 Assignors: KING, LAWRENCE Assignee: MOSAID TECHNOLOGIES, INC. Reel/Frame: 020837/0962 Assignors: KING, LAWRENCE Assignee: MOSAID TECHNOLOGIES, INC. Reel/Frame: 021040/0648 Assignors: MOSAID TECHNOLOGIES, INC. Assignee: SATECH GROUP A.B. LIMITED LIABILITY COMPANY |

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| 15. | 7,194,574 08-851-US- CON | SEARCHING SMALL ENTITIES IN A WIDE CAM | March 20, 2007 | Reel/Frame: 020837/0962 Assignors: KING, LAWRENCE Assignee: MOSAID TECHNOLOGIES, INC. Reel/Frame: 021040/0648 Assignors: MOSAID TECHNOLOGIES, INC. Assignee: SATECH GROUP A.B. LIMITED LIABILITY COMPANY |

APPENDIX

Pending Applications

| Line No. | Application Number | Title | Filing Date | Recordation Information |
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| 16. | 11/069,635 08-533-US- CON | METHOD AND APPARATUS FOR A FOUR-WAY HASH TABLE | February 28, 2005 | Reel/Frame: 020845/0380 Assignors: BROWN, DAVID A. Assignee: MOSAID TECHNOLOGIES, INC. Reel/Frame: 021040/0648 Assignors: MOSAID TECHNOLOGIES, INC. Assignee: SATECH GROUP A.B. LIMITED LIABILITY COMPANY |
| 17. | 11/548,766 (08-535-us-div) | METHOD AND APPARATUS FOR WIDE WORD DELETION IN CONTENT ADDRESSABLE MEMORIES | October 12, 2006 | Reel/Frame: 021045/0682 Assignors: ROTH, ALAN, ET AL. Assignee: MOSAID TECHNOLOGIES, INC. Reel/Frame: 021040/0648 Assignors: MOSAID TECHNOLOGIES, INC. Assignee: SATECH GROUP A.B. LIMITED LIABILITY COMPANY |
| 18. | 11,099,724 08-537-US- CON | METHOD AND APPARATUS FOR PHYSICAL WIDTH EXPANSION OF A LONGEST PREFIX MATCH LOOKUP TABLE | April 6, 2005 | Reel/Frame: 020845/0380 Assignors: BROWN, DAVID A. Assignee: MOSAID TECHNOLOGIES, INC. Reel/Frame: 021040/0648 Assignors: MOSAID TECHNOLOGIES, INC. Assignee: SATECH GROUP A.B. LIMITED LIABILITY COMPANY |
| 19. | 09/733,629 08-536-US3 | METHOD AND APPARATUS FOR AN INCREMENTAL UPDATE OF A LONGEST PREFIX MATCH LOOKUP TABLE | December 8, 2000 | Reel/Frame: 011697/0304 Assignors: BROWN, DAVID A. Assignee: MOSAID TECHNOLOGIES, INC. Reel/Frame: 020845/0380 Assignors: BROWN, DAVID A. Assignee: MOSAID TECHNOLOGIES, INC. Reel/Frame: 021040/0648 Assignors: MOSAID TECHNOLOGIES, INC. Assignee: SATECH GROUP A.B. LIMITED LIABILITY COMPANY |

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| 20. | 09/886,659 08-537-US4 | METHOD AND APPARATUS FOR LOGICALLY EXPANDING THE LENGTH OF A SEARCH KEY | June 21, 2001 | Reel/Frame: 012217/0010 Assignors: BROWN, DAVID A. Assignee: MOSAID TECHNOLOGIES, INC. Reel/Frame: 021040/0648 Assignors: MOSAID TECHNOLOGIES, INC. Assignee: SATECH GROUP A.B. LIMITED LIABILITY COMPANY |